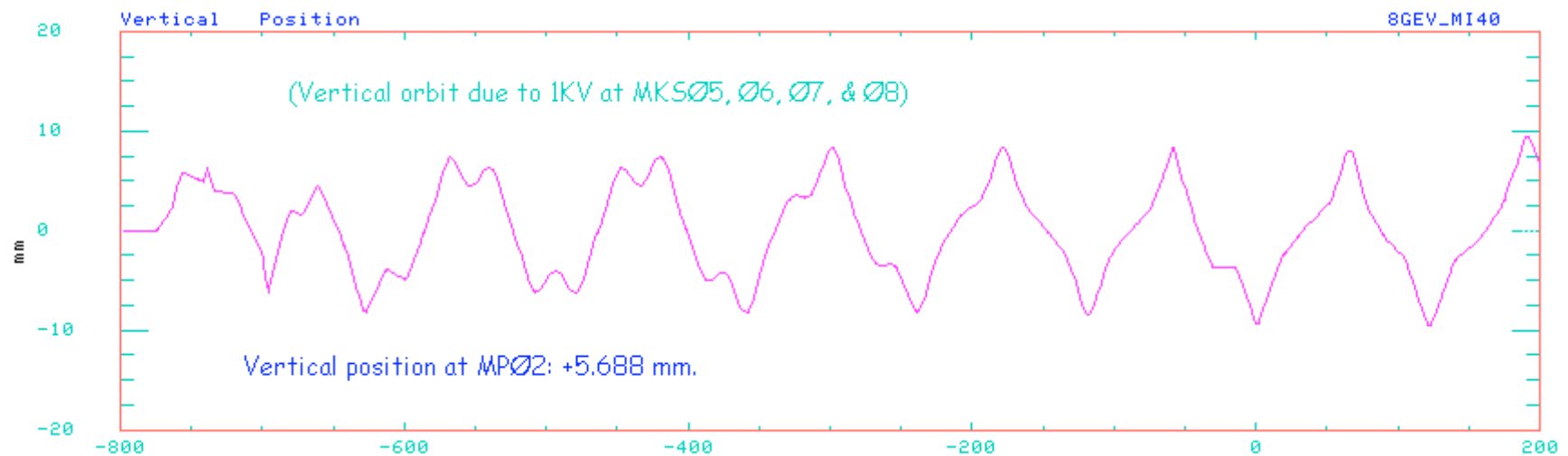


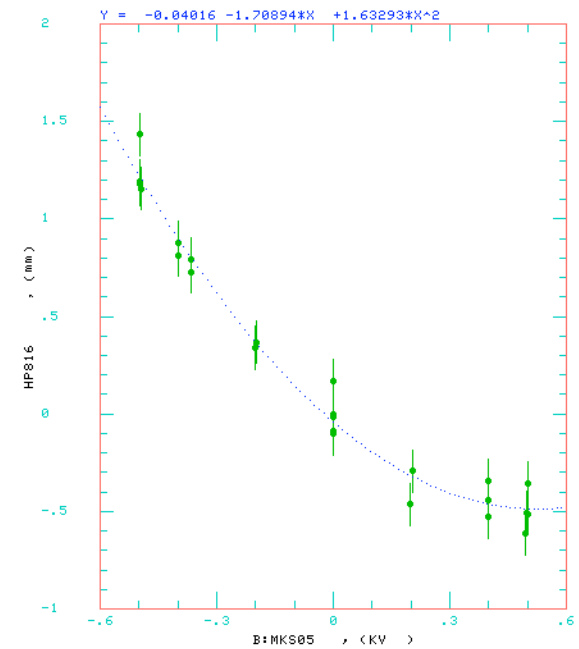
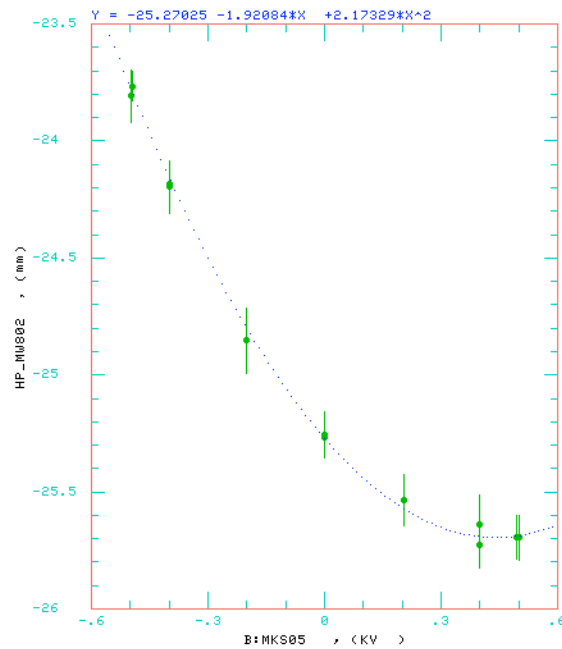
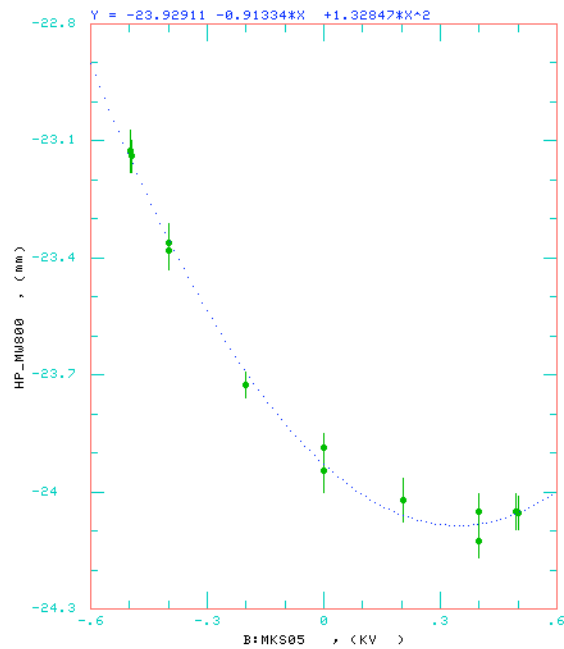
MP02 multi-pole fields

- Orbits
 - Displacement at MP02 with MKS05, 06, 07, 08
 - Position
 - First order orbit
 - Second order orbit
- Multi-pole fields
- Coupling simulation

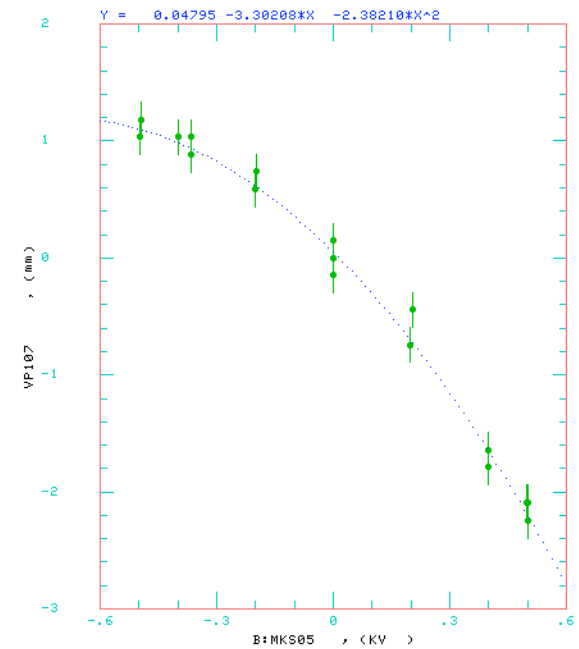
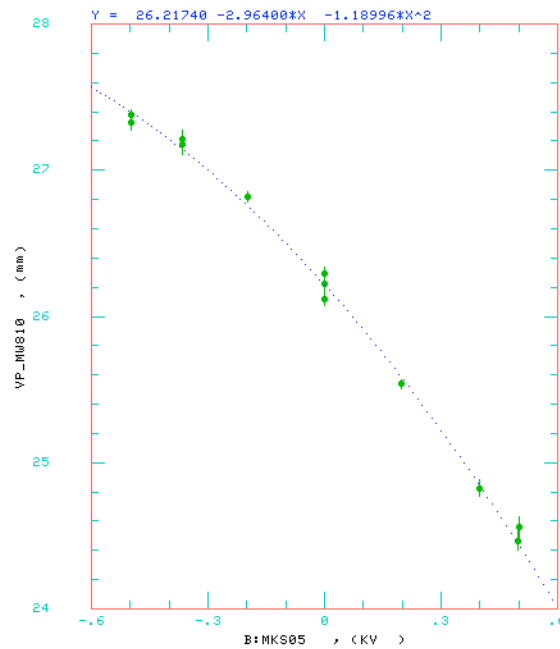
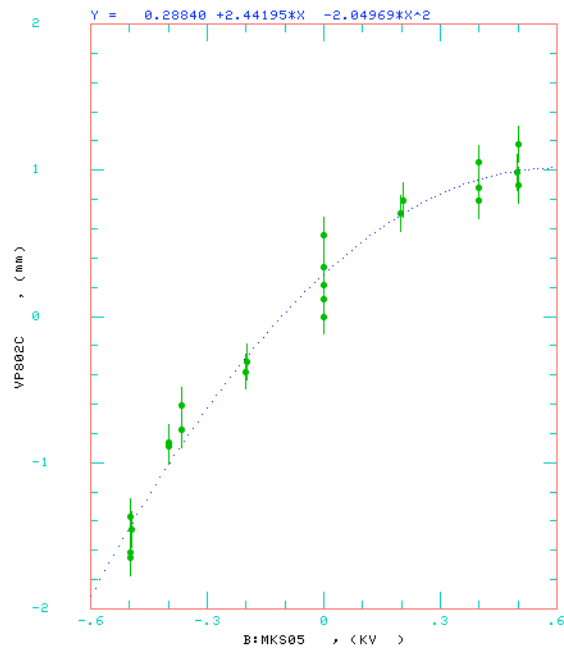
Expected vertical orbit with 1 KV on MKS05-08



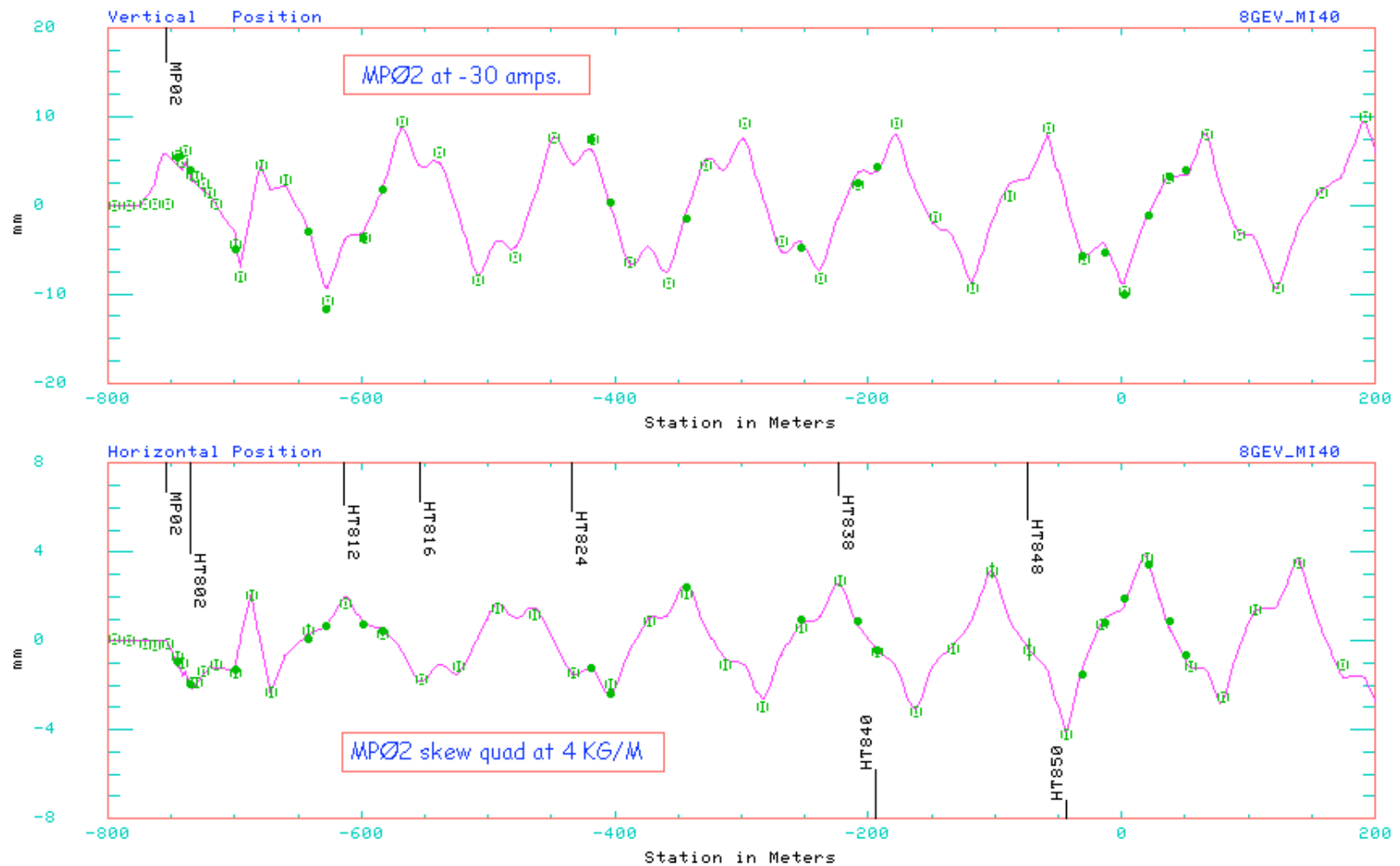
Horizontal position vs MKS05-08 kicker voltage



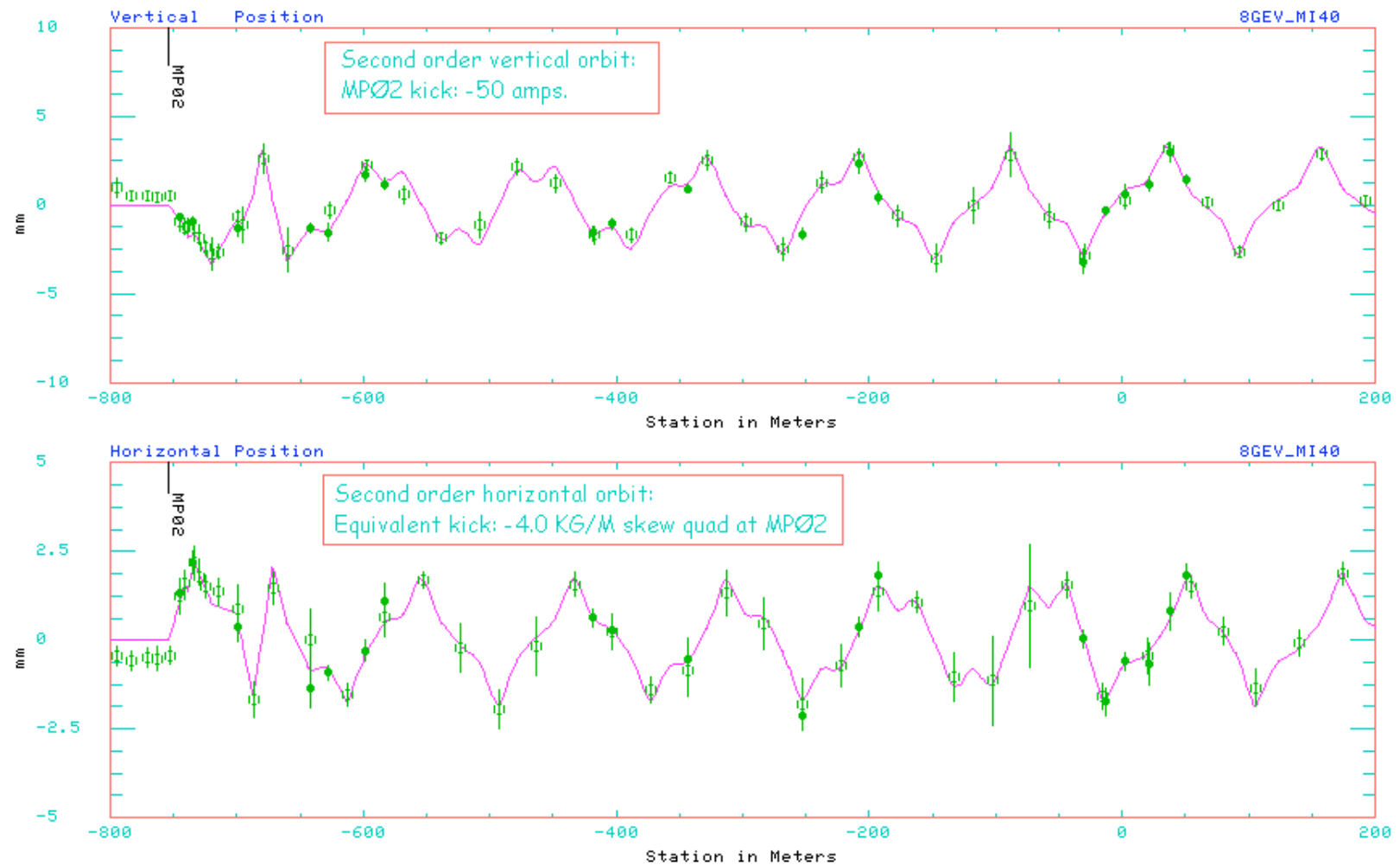
Vertical position vs MKS05-08 kicker voltages



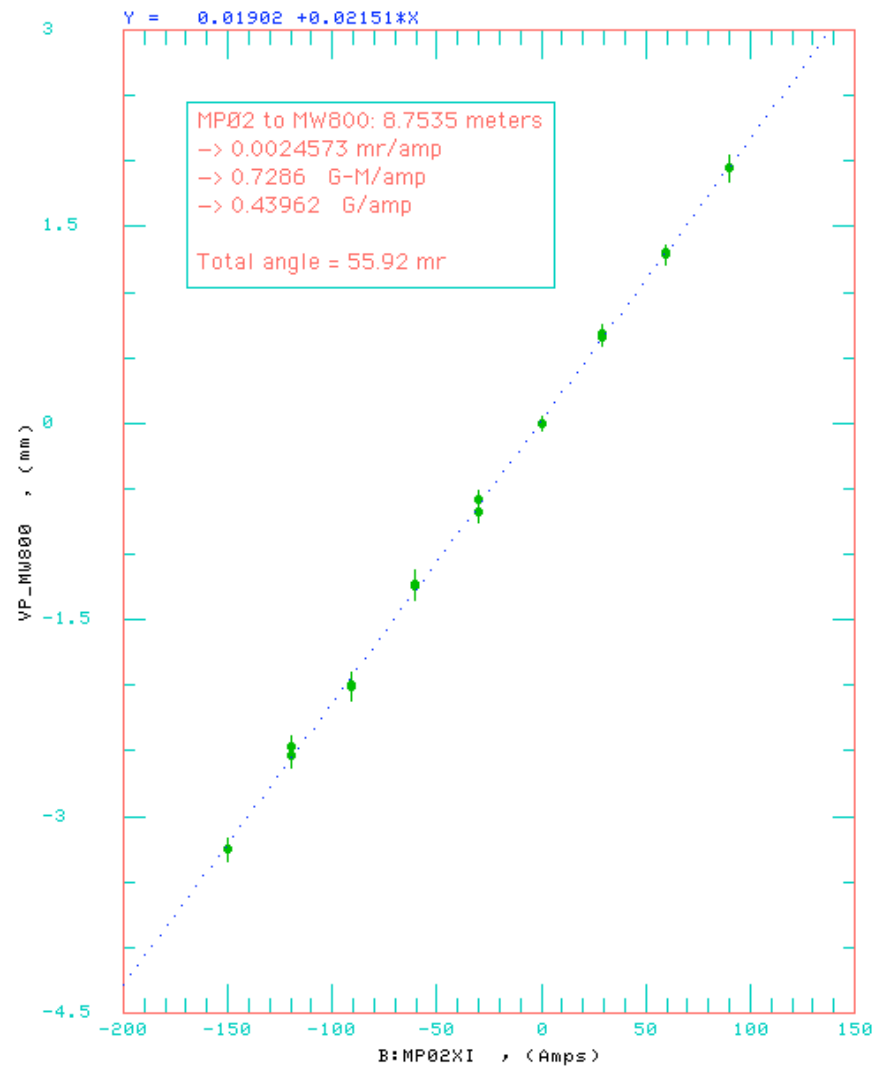
First order orbits, 1KV at MKS05, 06, 07, & 08



Second order orbits, 1KV at MKS05, 06, 07, & 08



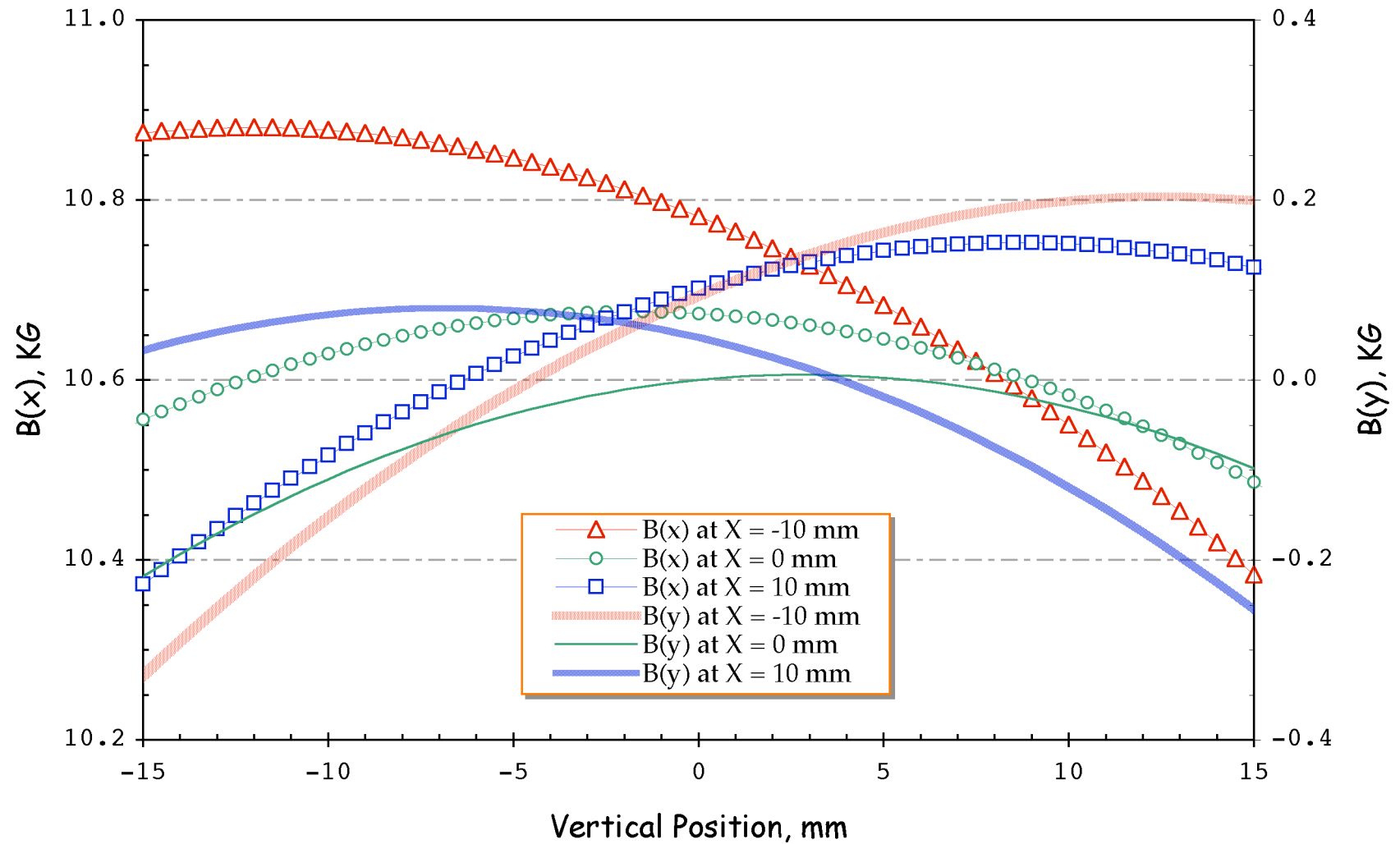
Calibrating MPØ2 kick with MW800 multi-wire data



Implicated multi-pole fields

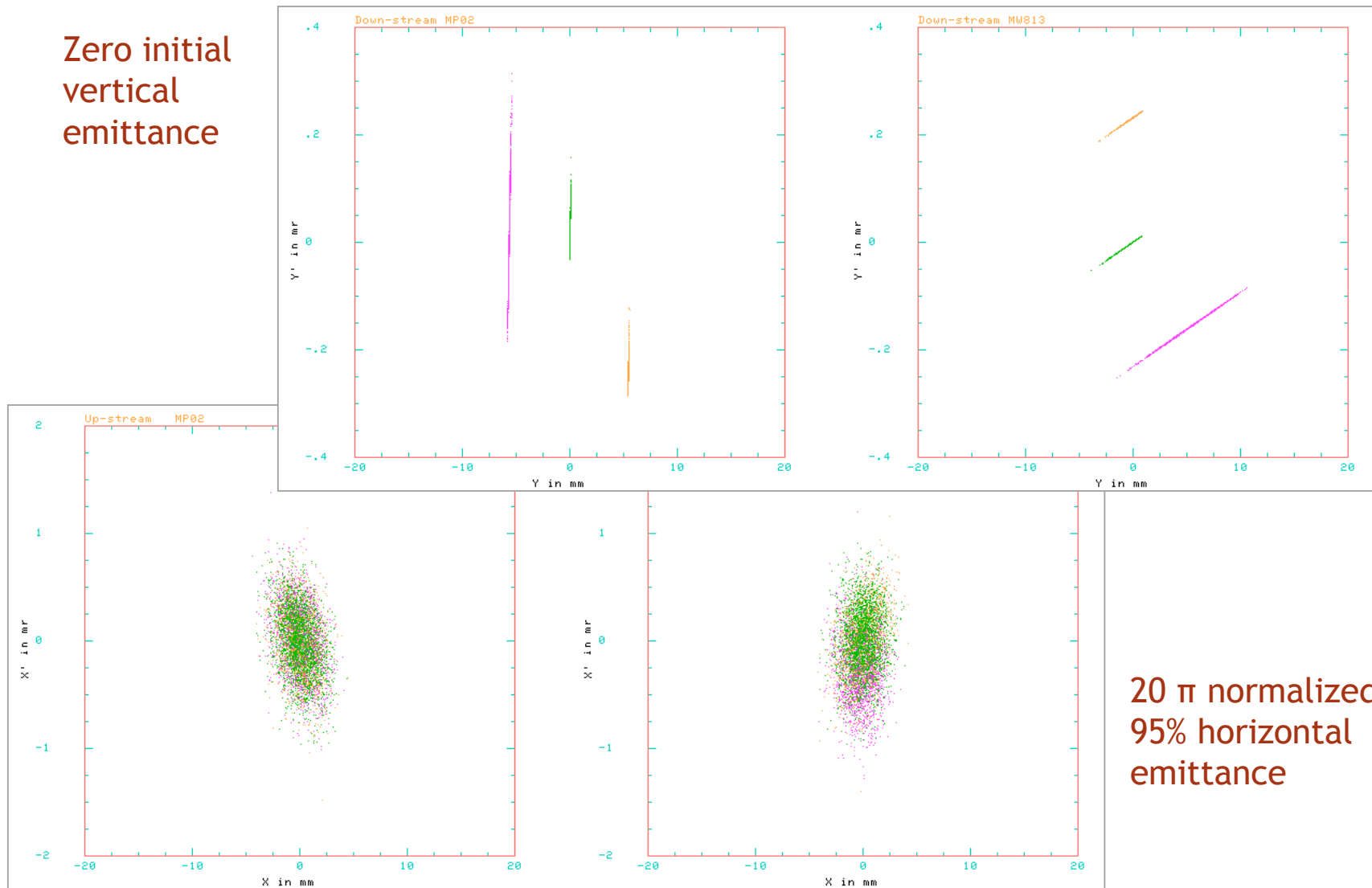
	Normal	Skew	
Quadrupole	-2.3	4.0	KG/M
Sextuple	1406	-1359	KG/M^2

MPO2 fields with its multi-pole components



Coupling from horizontal to vertical plane

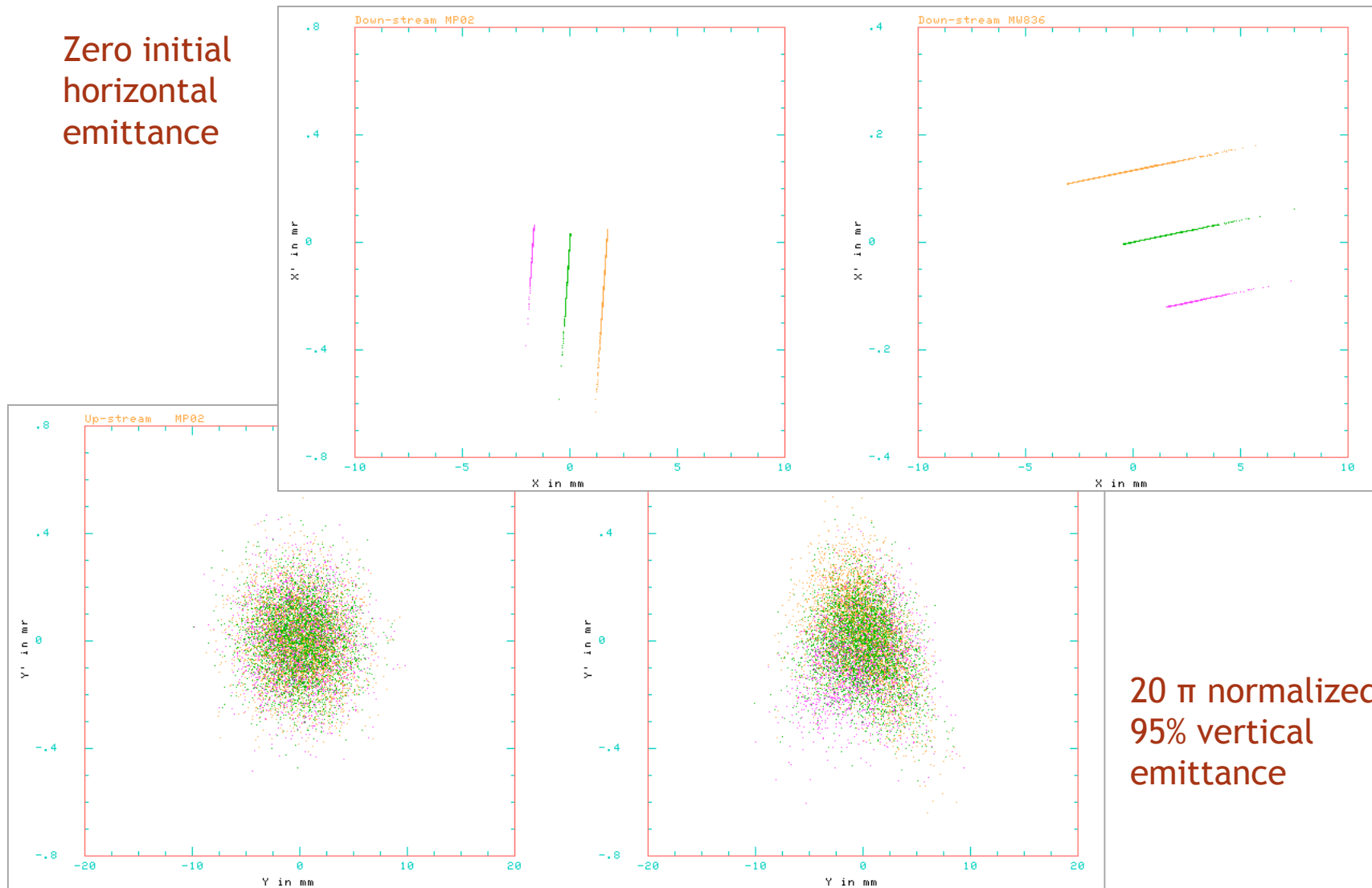
Zero initial
vertical
emittance



20 π normalized
95% horizontal
emittance

Coupling from vertical to horizontal plane

Zero initial
horizontal
emittance



20 π normalized
95% vertical
emittance